

pseudobaptigenin synthase

Cat. No. EXWM-1029

Lot. No. (See product label)

Introduction

Description

A heme-thiolate enzyme (P-450) catalysing an oxidative reaction that does not incorporate oxygen into the product. Catalyses a step in the biosynthesis of (-)-maackiain, the main pterocarpan phytoalexin in chickpea (*Cicer arietinum*).

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.21.8

Reaction

(1) calycosin + NADPH + H⁺ + O₂ = pseudobaptigenin + NADP⁺ + 2 H₂O; (2) pratensein + NADPH + H⁺ + O₂ = 5-hydroxypseudobaptigenin + NADP⁺ + 2 H₂O

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.